

Amendments to the Specification

Please replace the 5th paragraph on page 10 (line18) with the following amended paragraph:

Figure 4: Comparison of sequences between the human G3BP (SEQ ID NO:3) and G3BP2 (SEQ ID NO:4) proteins. The comparison of the N-terminal sequences reveals several differences which are identified by diaereses.

Please replace the last paragraph on page 31 (line 18) which continues onto page 32 (ending on line 5) with the following amended paragraph:

In a first instance, comparison of the protein sequences described above made it possible to synthesize various peptides (A-F):

Peptide A: LLNQAPDMLHRFY (SEQ ID NO:5)
amino acids 22-34 of the G3BP protein
Peptide B: LLNKAPEYLHRFY (SEQ ID NO:6)
amino acids 22-34 of the G3BP2 protein
Peptide C: HGGLDSNGKPADAV (SEQ ID NO:7)
amino acids 42-55 of the G3BP protein
Peptide D: HGGVDASGKPQEAV (SEQ ID NO:8)
amino acids 42-55 of the G3BP2 protein
Peptide E: LLSNNNQALRRFMQ (SEQ ID NO:9)
amino acids 97-111 of the G3BP protein
Peptide F: HNDIFRYQDEVFG (SEQ ID NO:10)
amino acids 127-139 of the G3BP protein

Please replace the last paragraph on page 34 (line 27) which continues onto page 35 (ending on line 10) with the following amended paragraph:

In the light of the results obtained in Example 7, plasmids allowing the expression of N-terminal fragments of G3BP were constructed in order to test the apoptotic activity of these fragments. For that, the fragments were amplified by PCR from the following primers:

A - oligonucleotide 5' in G3BP (nucleotide 1)
SEQ ID NO:11

cccgtcgacatggatggagaagcctagtcccctg

B - oligonucleotide 5' in G3BP (nucleotide 42)
SEQ ID NO:12

cccggtcgactttgtgagacagtattacaca

C - oligonucleotide 3' in G3BP (nucleotide 150)
SEQ ID NO:13

cccggtgcggccgcctttccatttgaatccaatcc

Please replace the last paragraph on page 35 (line 16) and the paragraphs that continue through page 36 and end at the top of page 37(line 1):

The sequences of the fragments obtained are described below: the sequences obtained from the vector and which will be translated are written in uppercase letters, the sequences of G3BP cDNA are indicated in lowercase letters. The underlined regions correspond to the sequences of the vector encoding Tag myc).

(fragment 1-150)
SEQ ID NO:14

5'ATGCCCCAGGTGCAGCTGCAGGTCatggtgatggagaagcctagtcccctgctggtc
gggcgggaattgtgagacagtattacacactgctgaaccaggccccagacatgctgcatagatttatggaaag
aactcttctatgtccatgggggattggattcaaatggaaagGCGGCCGCAGAACA~~AAAA~~ACT
CATCTCAGAAGAGGATCTGAATGGGGCCGCATAG 3'

The corresponding polypeptide is presented below. This polypeptide comprises the fragment corresponding to amino acids 1 to 50 of the G3BP protein whose sequence is presented in the sequence SEQ ID No. 1; this fragment appears below in bold characters.

SEQ ID NO:15

**MAQVQLQVMVMEKPSPLLVGREFVRQYYTLLNQAPDMLHRFYGKNSSY
VHGGLDSNGKAAA EQKLISEEDLNGAA**

(fragment 42-150)

SEQ ID NO:16

**5'ATGGCCCAGGTGCAGCTGCAGGTCttgtgagacagtattacacactgctgaaccagg
ccccagacatgctgcatagatttatggaaagaactcttctatgtccatgggggattggattcaaatggaaagGC
GGCCGCAGAAACAAAACTCATCTCAGAAGAGGATCTGAATGGGGC
CGCATAG 3'**

The corresponding polypeptide is presented below. This polypeptide comprises the fragment corresponding to amino acids 15 to 50 of the G3BP protein whose sequence is presented in the sequence SEQ ID No. 1; this fragment appears below in bold characters.

SEQ ID NO:17

**MAQVQLQVFVRQYYTLLNQAPDMLHRFYGKNSSYVHGGLDSNGKAAAE
QKLISEEDLNGAA**

Please replace the last paragraph on page 38 (line 12) that ends on page 39 (line 9):

Sequences of the oligonucleotides:

Each sense oligonucleotide is bordered in 5' by 4 nucleotides in order to reconstitute an NcoI site, and in 3' by a stop codon (TAA) and a nucleotide so as to form a BamHI site.

SEQ ID NO:18

sq22s : **tatgctgctgaaccaggccccagacatgctgcatagattttattaag**

SEQ ID NO:19

sq22as : **gatccttaataaaaatctatgcagcatgtctggggcctgggtcagcagca**

(sequence 66-105)

SEQ ID NO:20

sq 44g1s : **tatgggattggattcaaagtggaaagccagcagatgcagtctaag**

SEQ ID NO:21

sq44g1as : **gatccttagactgcatctgctggctttccatttgaatccaatccca**

(sequence 130-166)

SEQ ID NO:22

sq44g2s : **tatgggagtagatgctagtggaaagccccaggaagctgtttaag**

SEQ ID NO:23

sq44g2as : **gatccttaaacagcttcctggggctttccactagcatctactccca**

(sequence 130-166)

SEQ ID NO:24

sq64s : **tatgcagaaagaaatccacaggaaagtgatgtcacaaaacttctaag**

SEQ ID NO:25

sq64as : **gatccttagaagttttgtgacatcactttcctgtggatttctttctgca**

(sequence 172-211)

SEQ ID NO:26

sq65s : **tatgaaagtgatgtcacaaaacttcaccaactgctaag**

SEQ ID NO:27

sq65as : **gatccttagcagttggagaagttttgtgacatcactttca**

(sequence 190-220)